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HEADQUARTERS
WRIGHT AIR DEVELOPMENT CENTER
AIR RESEARCH AND DEVELOPMENT COMMAND
UNITED STATES AIR FORCE
Wright-Patterson Air Force Base, Ohio

IN REPLY ADDRESS
COMMANDER, ATTN:
WCLRE-5

11 March 1958

SUBJECT: (U) Radar Absorbing Material

TO: Commander
Air Research and Development Command
ATTN: RDZAX, Maj G. White
Andrews Air Force Base
Washington 25, D. C.

1. Inclosed are three copies of the results obtained on the samples of radar absorbing materials recently obtained from the Netherlands. (S)

2. It is requested that one each of the copies be forwarded to Col Nunziato and to the Netherlands per agreement. (S)

3. It is felt that good agreement exists between the Netherlands data and the free space data taken at WADC. (S)

4. A few random tests at X-band show that the material reflects approximately 40 percent of the incident energy (compared to 100 percent for metal). It is recognized that this band is outside the designed operating range for the material, but the tests were run for general interest. (S)

5. For information only, this material greatly resembles a British material (MS-3) previously tested by WADC. The thickness, weights, appearances and general composition are almost identical. Nothing is known of the exact chemical formulation of either one. The Dutch material is somewhat better electrically. (S)

6. All test data shown are for normal incidence. Any additional information concerning these tests will be supplied upon request. (U)

FOR THE COMMANDER:

USAF Declass/Release Instructions On File

1 Incl.

1. Graph, n/d
58WCLR-1277 (3 cys)

t/ LAUREN G. DENNEWITZ
Asst Chief, Design Engineering
Branch
Aerial Reconnaissance Laboratory

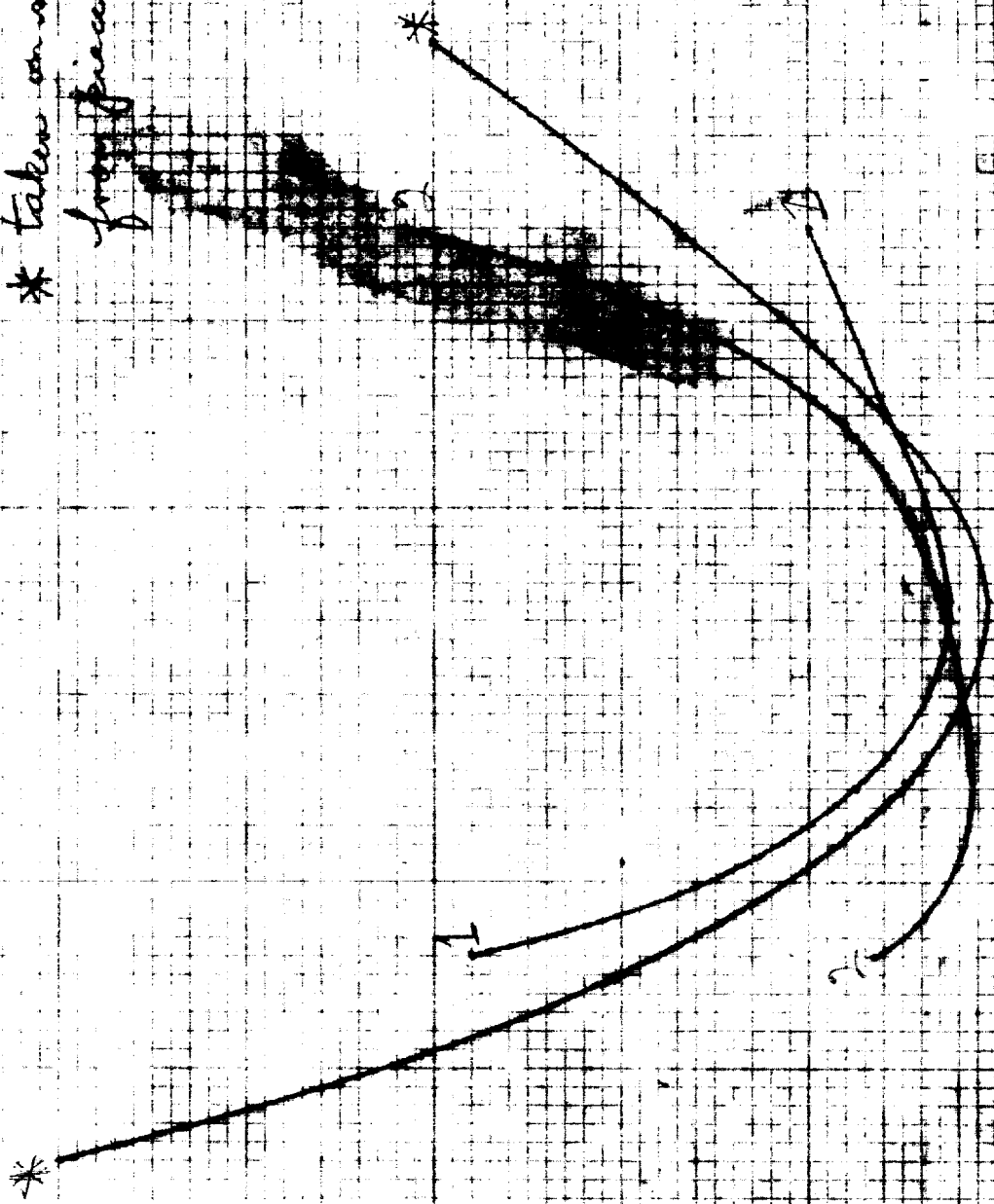
359 B
KODAK SAFETY FILM
10 X 10 TO 10 X 10
MADE IN U.S.A.

BEST COPY

SECRET

- * DUTCH DATA
- WADG DATA
PIECE #1
- WADG DATA
PIECE #2

* taken on small sample
from piece #1



SECRET
CS-3108